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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/707,176	11/25/2003	Kouji Uno	SIC-03-042	1175
29863	7590	07/12/2005	EXAMINER	
DELAND LAW OFFICE			TRAN, DALENA	
P.O. BOX 69			ART UNIT	
KLAMATH RIVER, CA 96050-0069			PAPER NUMBER	

3661

DATE MAILED: 07/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/707,176

Applicant(s)

UNO, KOUJI

Examiner

Dalena Tran

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 6,8-20,23 and 25-27 is/are allowed.
- 6) ☒ Claim(s) 1-5,7 and 21 is/are rejected.
- 7) ☒ Claim(s) 22 and 24 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Notice to Applicant(s)

1. This office action is responsive to the amendment filed on 4/21/05. As per request, claims 1, 6, 8-9, 20, 23, and 25-26 have been amended. Thus, claims 1-27 are pending.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-5, 7, and 21, are rejected under 35 U.S.C. 103(a) as being unpatentable over Ikuma (4,364,448) in view of Takata (5,226,501).

As per claim 1, Ikuma discloses an electronic control device for controlling a controlled device installed on a bicycle, wherein the control device comprises: a programmed computer that controls the control device (see columns 1-2, lines 55-18; and columns 5-6, lines 42-18). Ikuma does not disclose a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition. However, Takata discloses a reset circuit that receives information related to a traveling condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition and without dependence on the operation of the control device (see column 4, lines 3-25). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Ikuma by combining a reset circuit that receives information related to a traveling

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condition of the bicycle and provides a reset signal to the computer in response to the occurrence of a predetermined traveling condition for changing the state of the electric power to drive the vehicle.

As per claim 2, Ikuma discloses the traveling condition comprises bicycle speed (see column 2, lines 19-32).

As per claim 3, Takata discloses the predetermined traveling condition comprises the bicycle speed being below a predetermined (see column 4, lines 3-25).

As per claims 4-5, Ikuma discloses the traveling condition comprises a signal output by an alternating current generator, the traveling condition comprises a frequency output by the alternating current generator (see column 7, lines 20-59; and columns 10-11, lines 1-28).

As per claim 7, Ikuma discloses the traveling condition comprises a voltage output by an alternating current generator (see columns 15-16, lines 66-34).

As per claim 21, Takata discloses the reset circuit comprises a reset signal output circuit, and a reset activating circuit that activates the reset signal output circuit in response to the occurrence of the predetermined traveling condition (see column 4, lines 3-25).

4. Claims 22, and 24, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 6, 8-20, 23, 25, and 26-27, are allowable.

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Remarks

5. Applicant's argument filed on 4/21/05 has been fully considered. Upon updated search, the new ground of rejection has been set forth as above.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalena Tran whose telephone number is 571-272-6968. The examiner can normally be reached on M-F 6:30 AM-4:00 PM), off every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on 571-272-6956. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner
Dalena Tran



July 7, 2005